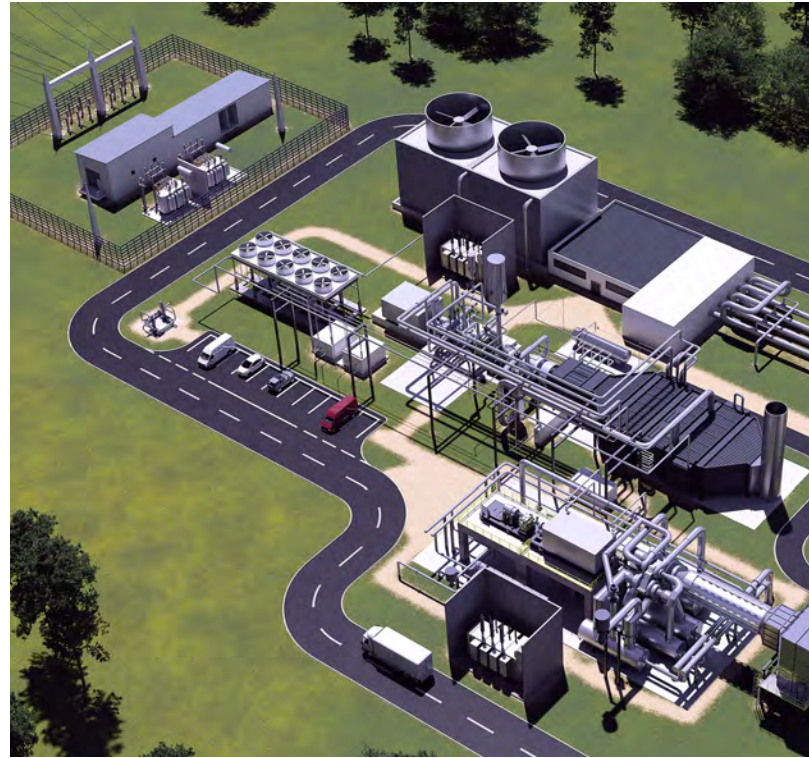


Diabatic Compressed Air Energy Storage



SIEMENS
ENERGY

Your challenges

- Absorbing renewable energy that might otherwise be curtailed
- Long duration energy storage for supporting load management
- Balancing load with new mix of generating assets and end client expectations
- Regulatory requirements of black-start capabilities, resulting in bound capital and resources






Our storage systems enable

- Energy and ancillary services with low fuel consumption
- Increased grid capacity utilization, balancing and reserve services
- High flexible operating modes, including simultaneous charging and discharging
- Excellent load-following capacity and part-load efficiency
- Decarbonization by high utilization of renewable energy sources

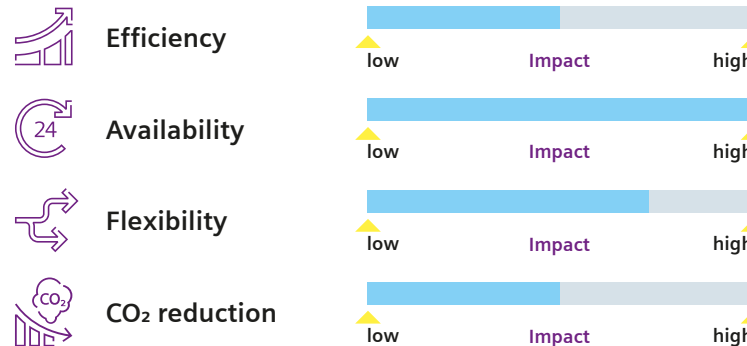
Our offerings

- Entire surface plant scope including CAES cycle, balance of plant, and construction
- Future-ready design: Further CO₂ reduction via co-firing with H₂ based fuels
- GWh-scale energy storage solution
- Proven components coupling together for unlocking a new market

Typical properties

	Power range	140–160 MW _{el} *
	Discharge time	8–24 hours
	Reaction time	10–15 min
	Storage size	> 4.000 MWh _{el}
	Storage period	Multiple days

Benefits



Please contact us [here](#)

* Power range is per expansion train

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